Chemical Name: Polyether-Polyol
Abbreviation: Petol PZ 480-4G

General Description:
Petol PZ 480-4G polyether polyol is a medium functional polyether polyol designed to obtain rigid polyurethane foams.

It is used as a standard polyol for various rigid applications such as rigid block foams, pipes and panels insulation, through continuous and discontinuous processes.

Technical Quality Conditions:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>MU</th>
<th>Values</th>
<th>Test methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td>viscous liquid</td>
<td>visual</td>
</tr>
<tr>
<td>Color</td>
<td></td>
<td>yellow - brown</td>
<td>visual</td>
</tr>
<tr>
<td>Hydroxyl number</td>
<td></td>
<td>460-490 mg KOH/g</td>
<td>ASTMD4274</td>
</tr>
<tr>
<td>Viscosity, 25°C</td>
<td></td>
<td>6500-9000 cP</td>
<td>ASTM D 4878</td>
</tr>
<tr>
<td>Water (Karl-Fischer), max</td>
<td></td>
<td>0.1 %</td>
<td>ASTME203</td>
</tr>
</tbody>
</table>

Specific Properties:

Density at 25°C, g/cm³ 1.05-1.15
Functionality 4.5
pH (methanol-water - 10:1) 6-7
Molecular weight 530
Ignition temperature ,min 200°C

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

Main Applications:

- rigid polyurethane foams
Packing and storage:
The product is delivered in stainless steel or coated rail or car tanks, provided with heating coil, property of supplier or client, in clean, dry, tightly closed TDA drums of 220 l.

Due to its hygroscopic nature, the product is stored in tightly closed containers under nitrogen blanket, in cold, dry, vented areas, far from heat, moisture and inconsistent materials, at temperatures between +20ºC and +30 ºC.

Safety Considerations:
Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Attention:
Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.